



Edward Hopkins explains how to make a wooden catch and hinges for a panelled blanket chest made by Richard Green

dust is perhaps the most functional piece of furniture (t is possible to make. It is ofter oil just a box, but a box of such stature that every untidy house in the country must need one. It is traditional to cram it with silver plates and jewels, ready for a quick getaway. However if, as with me, they ve already got away. you can use it for your next quist valuable items like the paperbacks you've never read, clothes that don't fit anymore or a spare pillow and a couple of old blankets. Or your entire linen store.

Flexible Construction

This chest is small, designed to sit at the end of a single bed. Yours can be stretched in length and depth while still staying at a convenient.

Which wood?

We used pine which comes fenshed to about 20mm (sin or skin) black, if you prefer to make this chest from a hardwood such as sak or ash, reduce the thickness to 18mm or even 15mm (kin or well) otherwise if will look and feel massive.

height to sit on. Make it with three panels for a chest at the end of a double bed or ever four for a pantechnicon king size (in which case add central legs to prevent sog). The construction remains essentially the same

There are two main.

methods of classic construction and this coample uses both. The simplest and the oldest constructed chests were boarded and realist together. These pieces have shrunk and cracked over the years. No-one really minds but today wired wheeling gaps are deemed in represent bad craftsmanship, lost by ensuring the grain distributions up you can avoid this.

If you cast a long, wide plank (or several planks joined to appear as one beard) into four abarter lengths and not them back together at right angles, the front, sides and back will all shrink equally across the grain with a slight loss of height but without any tendency for them to fall apart. A floor of losse bourds negting as batterns will help to her plants and a bearded iid will close it.

If the lid overhangs the box, here two shrinkage will bave little obvious effect. Raise the floor a few inches so that you can also pout some decorative feet and you'll have a perfectly accept after thest.

acceptable chest,

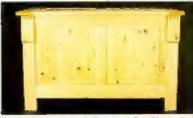
Later versions were loss couch. The makers used frame and panel construction so most of the shrinkage took place harmlessly in the panels while the thin frame was securely jointed and strong unaugh to hold the whole piece rigid. The sides hack and top were all panelled like the front which was sometimes curved as



Edward Hopkins is studding and plasterbuarding his cottage, trying to keep steps ahead of the plumber



Richard Green is working on massive inminated arches of ash on a curved isoloony, for an architect's house



from behind you can see here the thinges have to be positioned so the lags. That is very the tap had betterform with the sides



The orde of the chest are sample. For hele is a namele, but could be larger for easy teleling

The beauty of this close is that all the passet are designed to be the series size. This evalues properties, global and annialize much make

POJECT anket chest





Free underseath you can see be the Tearleanth sit on a holies



lank pant, but ment he tight





MATERIALS YOU (123)

■ 32FT OF 6X4IM PAR For framing

IN TAFT OF TX'IN PAR For panels

- M SHOULDEN PLAKE For fielding panels
- III ROUTER/PLOWEN For grooving
- DANGUAN For hinges
- **PILLAR DOLL** For hinges

well. These chests look complicated to make and indeed there are many more processes involved (although most of them are simple enough by themselves) but the overall effect is sturning and well worth the trouble.

Overall View

Our chest has passelling on the front, back and top. You could aveid ranelling the back but it's the same as the freni so once you're geared up for one you may as well do the other. The sides are simply vertical boarding.

The front and back mes are rebated so that the study barkuplasaro silianto do em. 11 5 2 11. and be glued and pierred. The sides extend below the frames, where senti-circular cutouts identify two pairs of feet. Small holes pierce the sides higher up to help with ventilation and in act as carrying handles

There are two main patterns of metal langes which would work (but) hinges and I hinges; but this uses rudther, Instead for the fun of it we made a pair of

wonden hinges and a third one as a hasp on the front.

The Decorative Angle

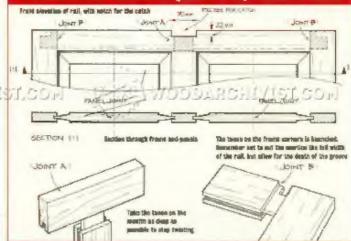
The appearance of the Insol of the chas is important. Unless it has a focal point of some sort (a lock or even a

keyhole will do it will went blank and unfinished like an fond cake without a cherry on top. The hasp is slotted to fit over the wooden single which is dowelled or screwed from inside the front. A hole is drilled to take passed me by that the hinges.

a peg which keeps the lid locked adding a final detail.

There is I admit one slight abertation. I was happy to notch out the from that the hasp to fold (nto) and the back (for the hinges) but it

Details and sections of joints and panelled frames



How to make the blanket chest with wooden fittings



and the positio. Cut greaves along the odge for issue temper to help location and glaing



na lichard has lurge such orange he 2 tention licitard los lurgo sesti crango las con sido lo gia up a supilar el puede el s time. Too can cramp punits with large 8-cramps



7 The side purels base a seri-stream extent of 10 the heat to preshoo limi. The case street



A fi you have a rector can a possil cuttor for the Fielded passis. Mayor the passis by seering the abroades around a plastic betta for hand souting —absolver and then planting the barel by hand

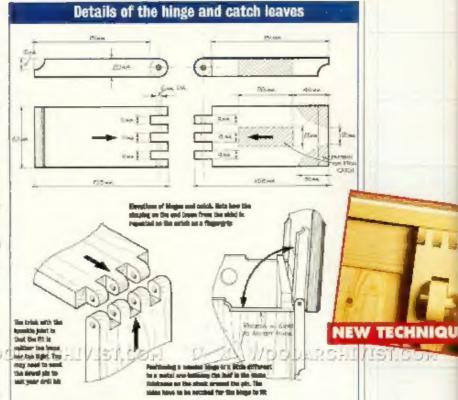
placed as they are near the end of the overbarging tep, seould but the sides as they close. To accommodate this Richard shaped a couple of only cutouts and the lid now closes perfectly. Without drastically altering sees and preportions there is no afternative apart from much accover and weaker hinges. The cutouts are only really visible when they look, as it happers, quite purposeful.

The Components

Mark out the compenents for will have to produce puriels by joining narrower boards, but it is always better to find stock with enturgh if you can. Panels can be of the same thuskness as the frame, in which case they are fielded on both aides. If of dunner stock, they may be fielded on the frame only.

Lion the boards which comprise the sides (A). Groove edges to be jained and fit loose tengues. This is better than a straightbutt paint because it increases the glued sustant against while cramping. The arouter or a hand plough plane for the grown. Thickness a board in the width of the longue and backisses it down to just the right thickness. Glue and cramp boards together using C-cramps and blacks, watching out for worping.

3 Sand the sides and trim them to the final size. Cut



out the semi-circle at the foot (with a figurate, handsaw or cuping saw) and finish with sandpaper around a detergent bottle. Cut the holes for the handles with a holesaw and finish with a hills with a holesaw and finish with a hill.

of sandpaper. The hole could be a little bit bigger than it is.

The Frames

detergent bottle. Cut the holes for the handles with a holes ward finish with a nall to final width and thickness

but slightly overleagth. Lay them not as they will be and mark them accordingly. Where a panel will fit, mark X on the inner edge, to be grooved. The procedure for standard panelling is always.

Making the knuckle joint



5 Mark not the fingers on the birgs and catch 5 stank. Note that one part has four fingers and the other has three so that they interface



O'cut along the Regions with a become use first You can also use the new to cut off score wants on the Orea-Region had



That end the mosts with a caping naw, cleaning age the bettern of such natch with a chical. Mule some the Origina are a good fit



Blue a combination agency to find the position of the bings pin. Listers is Hitle excess on the and of the Buyers in some of formitted

the same. O Groove the inside edges of frame components. Allow the groove to run full length of the finiter (at best using a router table or spindle resoulter). Out murtices to the stiles (B and F) at the same thickness as the groove. Romember that the renam

WEDTH

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396mm 325mm

Games

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Cutting List for a Blanket Chest

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of Mated and refreshing territorials for their small to

Africal and

Billiost and Zock top rail

Diffrant and

E From, back and fee pan

F 3de

E Top as

Ht Top star.

K Hosewall

M Four traiter

L FIDOR

N Stauke

E From and back. Pine

(and therefore the mortice) will be narrower than the rail by the depth of the groeve.

Tenen the rails (C. D and G.) having out them to exact length. Remember to baunch the outer edges to fill the groove. This is a next firish to the joint and one which helps provent twisting.

The Panels

5 With the frames dry assembled, measure exactly the size of the panels (I and K) and then subtract a couple of smidgens. Under no circumstances should the panel be too large for safer to butch smiler. Join the panels as necessary, brin the panel staff to size.

6 Fielding the panels can be done by hand or by machine. By machine, mothing beals a spindle moulder. By hand (GW 17770) at least start by cutting the mosed shoulder first with a router, or face down on a tablesaw with crown quard removed (exercising great care and using our Shaw guard held-down on page 28). Avoid using appellation saw the first become unless the panel is dead figs there a risk of cutting too deep.

Failing all this, score the shoulder heavily with a rath knife. Using a shoulder plane or a bullrose plane for any plane where the blade extends to the side of the sole) chantle the edges of the panel down. When planing the undegrain between of grain breaking out of the end. Either plane in fram the fac

The history of chests and trunks

The earliest known chests of wooden storage howes were made in Egypt about 1300 BC. The term trusk probably can from the ancient practice of backing out the isside from a be brusk. These dog out chests were later litted with arched lids in medieval England, coffers were portable wooden strongboxes covered in thick leather. They were made by a specialist for storing crothes and valuables. The natio chest and the blanket chest are refinements which often include drawers and are indeed the forecurron of the chest of drawers. They have been thade by tharry joiners and capingtinokers and the late. I fill century.

end, or complete the ends before beginning the sides.

Flane (and leads) until the panel edge is sufficiently pointed to just squeeze into the groove. It must be neither

The puri-grain on the bounder joint.

so tight as to bulge the frame per so loose as to critic. Take care at the corners when the fielding spech in a major. Practice measurement and analyyour we got the hang of it. When it lik, clean it carefully with sandpaper on a block.

Them up the groove edges of the frames in a minute rou won't be able to get at them again. Dry assemble the traines with pawels. Cramp them tight and check for fit. Disassemble, Apply gitto carefully to mostices and letters. No glue should come

in mintact with panels. Cramp tight and check for square although with dose fitting panels.

Rehale with a router the dedges of the front and back frames to accept the sides. You might have rensistened this easier beloassembly, but the edges would have been liable to damage in the crampting.

From all the rails flush with the frame. Sand the three frames and the faces the panels.

Nail the batters text the sight aligning spot the lower drained and the lower drained of the slate, to supp the floor. Cut the floorboar to a sneg fit both lengther, and wild threats. These boards do not need to be longued and greaced

Gille the front and back trames to the udes, reinforcing the joint at you wish with strait mile junched below the surface and then filled. Check that the assembly is square but panic and if it ben't. Just eas

Cleaning up and assembling the hinge or catch



Dies can use a bandsate for cetting the fingers.
You take count receive the weath with the sales
by mixing barries the weath bit by \$10.



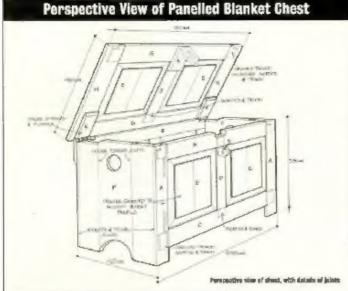
10 Second are used of the Gargers with a beautions, for by Second with a suppley sure, prises, young much planningly. Damp electricity the fig



1-1 Gean op all the hispo and colch component to an ideal world all the parts absold be interestinguisable, but ideality the pairs



12 Professioly drift the boles for the pile in a pile in a pile of driftstand. You can do this write the pilet assumbled, here with tage



the floorboards down onto the bottons and it'll have no choice, Keep cramps on until the give is dry. If that unnt is less that salieffor took, glow in to angular Allers [aler to remniation the chast

The Hinges

10 Segin with perfectly dimensioned timber or you won't stand a dwinter There is nothing particularly difficult about the hinges if they are approached calmly. Veverbeless make a spare. We cut the hinge fittees fitst, and then cut the leaves to length. Try to take each pair

of hinge and harp leaves from the same board for consistent grain.

Trim the ends dead appare. Made by dkiller stypere shoulder line and the circleson the sides. Divide the width into an odd number of equal segments. Mark these segments with a marking gauge on male and female members alike Hatch in the waster confusion here is disastrous on watch pert.

Bandsaw precisely on the wastewood side of each line up to the shoulder line. Set a fence on the

bandsow and recept each cut on each hinge If you cut this by hand, use your runist, sharpest saw Remove the waste. A coping saw and chisel will do it just as they do for dovetalling, but if you've begun on a wern they working as well continue Set a long stup behind the blade of right angles to it so that vou canaof cut beyond the shoulder time. Successive cuts will now eat away the waste. At the

last the workpiece can be gently moved from side to side touching the stop, to finishing out cleanly,

12 Fest iit one febrale to another male (they around all be identical) if the john is tight, adjust, If it's lucse, start again! Plane or sand the ends over until they are semi-cacular and denon to the marking on the edges Finish with sandpaper.

Test drills and dowels nominally form diameter for a good snug fit for the plu-You may have to adjust a thicker dowel.

Drill a fetten hole, using a drillstand and a sharp bit, drilling from each edge and meeting in the middle, with the lunge assembled. Take apart and clean up the insides of the joints.

Cut short lengths of 6mm dowel (or make your own). Sharpen one end to a bit of a point. Drive is through a similarly drilled hole in a piece of wastewood. This might burnish it down to size Il necessary. Excessive force must not be needed; it is too easy to burst the hitige. especially in pine.

Assemble the male to ternale ends of each hinge, See that they are likely to

rotate freely. Tap the dowel through the assembled knuckle, Gently test it for binging. If the dowel is a title loose the smallest of glands one and segment alone will secure it. Free the dowel flush with the hinge.

13 Leaving the hinger to length. Mould the little concave detail in each end uning a router table. This can be replaced with a chamter if wou're lazy or only have hand-tools, but such touches do count. Notice that the moulding is reversed on the hasp where it acts as a Fingergrip, Scoop out the side curves on the hasp with a coping saw and sandpaper.

14 Cut the couch at the front panel (to accept the hasp) and two in the back panels (to accept the hanges). Continue the back notches along the side, having marked off from the hinge penfile. Use a coping saw and a chisel for this final awkward shape.

15 res the harges with from the back and up into the top. Fit a rouple of screws or dowels first to make sure the top aligns, ensuring that the muntin on the top aligns with the muntin on the front.

16 Similarly, screw the hasp in place. Cut and shape the staple and screw this from inside the chest. checking as you do that the hasp will all de smoothly over it. Cut a peg to fit the hole

17 Finish the chest with was Paint a liquid was (see page 82) on all esternal surfaces and edges the inside is probably better left band. If won't be have for long, A space like this is a magnet Next time viz. look (reside there'll be shutt you didn't realise you couldn't five without.

NEW TECHNIQUE

a troc square sep so to the centre of the ones of W [7:70. There is delarts syst rated helder panels, bull this is a popular delarter (GW [3:40.) frame and panel most clinic They are names nerted to in ret have in let the organizations. Though the a country the case on diors.

Jargon

Busting

pacet. This is no best you is need a special souther current a special souther currently.

The leveling around a puzel with fraces in a lime square step so

The proper members in frame and penet they are tenomed

uprights in a frame, parakel to me soles

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aver a face, though year ha pack or leg day be Alpai.

Most have a upoide down votes, dated sour a Most indical of one (utter it has a cuttlettech on the trans upoidle. You can the area decent or the area decent or the second or the the second or t

to any shape of rather into the block, and gread your own suff Quart that protects and remove the many hards which allows the

the wood and kicking



13 has may have to allow the discontar of the School to said the hole. One it note the bay Stepper for stone it fulfilling out, these tricks in close or